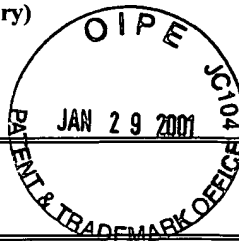


Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 12547US02	SERIAL NO. 09/643,550
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MZ	4,360,417	11/82	Reger et al.	204	290	
MZ	4,589,969	05/86	Yurkov et al.	204	290	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
MZ	59-225740	12/84	Japan			X abstract	
MZ	62-024568	02/87	Japan			X abstract	
MZ	01-246765	10/89	Japan			X abstract	
MZ	09-035736	02/97	Japan			X abstract	
MZ	0 716 463	12/96	EPO				

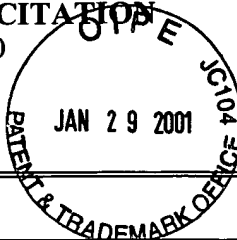
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MZ	"Kirk-Othmer Encyclopedia of Chemical Technology", 3 rd Edition, J. Wiley & Sons, Vol. 10, pp.248-249 (Date unknown)
MZ	"Regenerative Fuel Cell Subsystems", Chemistry 869, Course in Electrochemistry at Simon Fraser University, pp. 1-12 (11/96)
MZ	Arico, et al. "Electro-chemical and physico-chemical characterization of carbon-supported and unsupported Pt-Ru catalysts for application in direct methanol fuel cells," <i>Meeting Abstracts</i> , Abstract No. 77, Vol. 99-1, 195 Meeting of the Electrochemical Society, Inc. (05/1999)
MZ	Iwase et al. "Optimized CO Tolerant Electrocatalysts for Polymer Electrolyte Fuel Cells, <i>Electrochemical Society Proceedings</i> , Vol 95, pp. 12-23 (Date unknown)
MZ	Ledjeff, "Development of Pressure Electrolyser and Fuel Cell with Polymer Electrolyte," <i>Int. J. Hydrogen Energy</i> , Vol. 19, No. 5, pp. 453-455 (1994)

EXAMINER	DATE CONSIDERED:
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M3		Rolison et al. "Role of Hydrous Ruthenium Oxide in Pt-Ru Direct Methanol Fuel Cell Anode Electrocatalysts: The Importance of Mixed Electron/Proton Conductivity," <i>Langmuir</i> 15:774-779 (1999)
M3		Savadogo, "New Materials for Water Electrolysis and Photoelectrolysis", <i>Hydrogen Energy, World Conference</i> , pp. 2065-2092 (1996)
M3		Shao, et al. "Bifunctional electrodes with a thin catalyst layer for 'unitized' proton exchange membrane regenerative fuel cell", <i>Journal of Power Sources</i> , pp. 82-85 (abstract only) (1999)
M3		Stucki et al., "Evaluation of Materials for A Water Electrolyzer of the Membrane Type", Brown Boveri Research Center, Switzerland, pp. 1799-1808 (Date unknown)
M3		Swette, et al. "Conference Paper" <i>Lewis Research Center, Space Electrochemical Research and Technology</i> , pp. 139-148 (abstract only) (Date unknown)
M3		Wilkinson et al. "Materials and Approaches for CO and CO ₂ Tolerance for Polymer Electrolyte Membrane Fuel Cells", <i>New Materials for Fuel Cell and Modern Battery Systems II, Proceedings of the Second International Symposium on New Materials for Fuel Cell and Modern Battery Systems</i> , 11 pages having 2 columns of text per page (07/1997)

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